

Exercise 1 The function f is defined by the formula $f(x) = 2x + 3$.

The range of f is $(\boxed{-\infty}, \boxed{\infty})$.

Exercise 2 The function g is defined by the formula $g(x) = 3x^2 + 5$.

The range of g is $(\boxed{5}, \boxed{\infty})$.

Hint: This is a quadratic, so its graph is a parabola. Does it open upward or downward? Where is its vertex?

Exercise 3 The function k is defined by the formula $k(x) = 2 + \ln(x)$.

The range of k is $(\boxed{-\infty}, \boxed{\infty})$.

Hint: Desmos link: <https://www.desmos.com/calculator/na88gdkcto>
